

# Kawasaki

COMPONENT  
COMPOSANT  
COMPONENTE  
#691784

## 9 IN. ANGLE GRINDER INSTRUCTION MANUAL

## MANUEL D'INSTRUCTIONS POUR MEULEUSE ANGULAIRE DE 9 po

## MANUAL DE INSTRUCCIONES PARA EL ESMERLADORA ANGULAR DE 9 PULGADAS



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691784 - 9 in. Corded Angle Grinder, Meuleuse angulaire de 9 po, Esmerladora angular de 9 pulg. \_Rev 5/24/10

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POUR LE SERVICE APRÈS VENTE  
OU DU CONSOMMATEUR**

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## CONGRATULATIONS!

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## INTENDED USE

This tool is intended for consumer use only. This tool is not designed for professional use. The power cord should only be used in approved electrical outlets as described in this manual.

## GENERAL SAFETY RULES – FOR ALL ELECTRIC POWER TOOLS

### **WARNING**

### **READ ALL SAFETY WARNINGS AND INSTRUCTIONS.**

Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

## SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

## RECOGNIZE SAFETY SYMBOLS, WORDS AND LABELS

The safety instructions provided in this manual are not intended to cover all possible conditions and practices that may occur when operating, maintaining and cleaning power tools.

Always use common sense and pay particular attention to all the **DANGER**, **WARNING**, **CAUTION** and **NOTE** statements of this manual.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

### **DANGER**

**DANGER** indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

**⚠ WARNING**

**WARNING** indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

**⚠ CAUTION**

**CAUTION** indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

**CAUTION**

**CAUTION** used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage.

**NOTE**

**NOTE** provides additional information that is useful for proper use and maintenance of this tool. If a NOTE is indicated make sure it is fully understood.

**IMPORTANT SAFEGUARDS**

**⚠ DANGER**

**People with electronic devices, such as pacemakers, should consult their physician(s) before using this product. Operation of electrical equipment in close proximity to a heart pacemaker could cause interference or failure of the pacemaker.**

**WARNING:** Some dust created by power sanding, sawing, grinding, drilling and other construction activities contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Some examples of these chemicals are:

- Lead from lead-based paints.
- Crystalline silica from bricks and cement and other masonry products, and arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as dust masks that are specially designed to filter out microscopic particles.

**WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.**

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

**WORK AREA**

**⚠ WARNING**

**Keep your work area clean and well lit.** Cluttered work benches and dark work areas may cause accidents or injury.

**Do not operate power tools in explosive areas, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.

**Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

**ELECTRICAL SAFETY**

**⚠ WARNING**

**Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.**

**Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.

**Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.

**Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep the cord away from heat, oil, sharp edges, or moving parts.** Damaged or entangled cords increase the risk of electric shock.

**When operating the tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.

**If operating a power tool in a damp location is unavoidable, use a ground fault circuit interrupter (GFCI) protected supply.** Use of an GFCI reduces the risk of electric shock.

## PERSONAL SAFETY

### WARNING

**Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.

**Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing, and gloves away from moving parts.** Loose clothes, jewelry or long hair can be caught in moving parts.

**Prevent unintentional starting.** Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.

**Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.**

**Remove adjusting keys or wrenches before turning the power tool “ON”.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.

**Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.

**Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.

**If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.

## POWER TOOL USE AND CARE

### WARNING

**Use clamps or other practical ways to secure and support the workpiece to a stable platform.** Holding the work by hand or against your body is unstable and may lead to loss of control.

**Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it is designed.

**Do not use the power tool if the switch does not turn it “ON” or “OFF”.** A power tool that cannot be controlled with the switch is dangerous and must be repaired.

### WARNING

**Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories or storing the tool.** Such preventive safety measures reduce the risk of starting the tool accidentally.

**Store idle power tools out of reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.

**Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the power tool’s operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.

**Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

**Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.

## SERVICE

**Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.

## SPECIFIC SAFETY RULES AND/OR SYMBOLS

### WARNING

**Hold power tool by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring or its own cord.** Contact with a “live” wire will also make exposed metal parts of the tool “live” and shock the operator.

**Always use proper guard with grinding wheel.** A guard protects operator from broken wheel fragments.

**Accessories must be rated for at least the speed recommended on the power tool warning label.** Wheels and other accessories running over rated speed can fly apart and cause injury.

**⚠ WARNING**

**This power tool is intended to function as a grinder, wire brush, sander, or cut-off tool. Read all safety warnings, instructions, illustrations and specifications provided with this power tool.** Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

**Operations such as polishing are not recommended to be performed with this power tool.** Operations for which the power tool was not designed may create a hazard and cause personal injury.

**Do not use accessories which are not specifically designed and recommended by the tool manufacturer.** Just because the accessory can be attached to your power tool, it does not assure safe operation.

**The rated speed of the accessory must be at least equal to the maximum speed marked on the power tool.** Accessories running faster than their rated speed can break and fly apart.

**The outside diameter and the thickness of your accessory must be within the capacity rating of your power tool.** Incorrectly sized accessories cannot be adequately guarded or controlled.

**The arbor size of wheels, flanges, backing pads or any other accessory must properly fit the spindle of the power tool.** Accessories with arbor holes that do not match the mounting hardware of the power tool will run out of balance, vibrate excessively and may cause loss of control.

**Do not use a damaged accessory. Before each use inspect the accessory such as abrasive wheels for chips and cracks, backing pad for cracks, tear or excess wear, wire brush for loose or cracked wires. If power tool or accessory is dropped, inspect for damage or install an undamaged accessory. After inspecting and installing an accessory, position yourself and bystanders away from the plane of the rotating accessory and run the power tool at maximum no-load speed for one minute.** Damaged accessories will normally break apart during this test time.

**Wear personal protective equipment. Depending on application, use face shield, safety goggles or safety glasses. As appropriate, wear dust mask, hearing protectors, gloves and workshop apron capable of stopping small abrasive or workpiece fragments.** The eye protection must be capable of stopping flying debris generated by various operations. The dust mask or respirator must be capable of filtering particles generated by your operation. Prolonged exposure to high intensity noise may cause hearing loss.

**⚠ WARNING**

**Keep bystanders a safe distance away from work area. Anyone entering the work area must wear personal protective equipment.** Fragments of workpiece or of a broken accessory may fly away and cause injury beyond immediate area of operation.

**Position the cord clear of the spinning accessory.** If you lose control, the cord may be cut or snagged and your hand or arm may be pulled into the spinning accessory.

**Never lay the power tool down until the accessory has come to a complete stop.** The spinning accessory may grab the surface and pull the power tool out of your control.

**Do not run the power tool while carrying it at your side.** Accidental contact with the spinning accessory could snag your clothing, pulling the accessory into your body.

**Regularly clean the power tool's air vents.** The motor's fan will draw the dust inside the housing and excessive accumulation of powdered metal may cause electrical hazards.

**Do not operate the power tool near flammable materials.** Sparks could ignite these materials.

**Do not use accessories that require liquid coolants.** Using water or other liquid coolants may result in electrocution or shock.

**Use only wheel types that are recommended for your power tool and the specific guard designed for the selected wheel.** Wheels for which the power tool was not designed cannot be adequately guarded and are unsafe.

**The guard must be securely attached to the power tool and positioned for maximum safety, so the least amount of wheel is exposed towards the operator.** The guard helps to protect operator from broken wheel fragments and accidental contact with wheel.

**Wheels must be used only for recommended applications.** For example: do not grind with the side of cut-off wheel. Abrasive cut-off wheels are intended for peripheral grinding, side forces applied to these wheels may cause them to shatter.

**Always use undamaged wheel flanges that are of correct size and shape for your selected wheel.** Proper wheel flanges support the wheel thus reducing the possibility of heel breakage. Flanges for cut-off wheels may be different from grinding wheel flanges.

**⚠ WARNING**

**Do not use worn down wheels from larger power tools.** Wheel intended for larger power tool is not suitable for the higher speed of a smaller tool and may burst.

**Do not "jam" the cut-off wheel or apply excessive pressure.** Do not attempt to make an excessive depth of cut. Overstressing the wheel increases the loading and susceptibility to twisting or binding of the wheel in the cut and the possibility of kickback or wheel breakage.

**Do not position your body in line with and behind the rotating wheel.** When the wheel, at the point of operation, is moving away from your body, the possible kickback may propel the spinning wheel and the power tool directly at you.

**When wheel is binding or when interrupting a cut for any reason, switch off the power tool and hold the power tool motionless until the wheel comes to a complete stop. Never attempt to remove the cut-off wheel from the cut while the wheel is in motion otherwise kickback may occur.** Investigate and take corrective action to eliminate the cause of wheel binding.

**Do not restart the cutting operation in the workpiece. Let the wheel reach full speed and carefully reenter the cut.** The wheel may bind, walk up or kickback if the power tool is restarted in the workpiece.

**Support panels or any oversized workpiece to minimize the risk of wheel pinching and kickback.** Large workpieces tend to sag under their own weight. Supports must be placed under the workpiece near the line of cut and near the edge of the workpiece on both sides of the wheel.

**Use extra caution when making a "pocket cut" into existing walls or other blind areas.** The protruding wheel may cut gas or water pipes, electrical wiring or objects that can cause kickback.

**Be aware that wire bristles are thrown by the brush even during ordinary operation. Do not overstress the wires by applying excessive load to the brush.** The wire bristles can easily penetrate light clothing and/or skin.

**If the use of a guard is recommended for wire brushing, do not allow any interference of the wire wheel or brush with the guard.** Wire wheel or brush may expand in diameter due to work load and centrifugal forces.

**KICKBACK**

**⚠ WARNING**

Kickback is a sudden reaction to a pinched or snagged rotating wheel, backing pad, brush or any other accessory. Pinching or snagging causes rapid stalling of the rotating accessory which in turn causes the uncontrolled power tool to be forced in the direction opposite of the accessory's rotation at the point of the binding. For example, if an abrasive wheel is snagged or pinched by the workpiece, the edge of the wheel that is entering into the pinch point can dig into the surface of the material causing the wheel to climb out or kick out. The wheel may either jump toward or away from the operator, depending on direction of the wheel's movement at the point of pinching. Abrasive wheels may also break under these conditions.

Kickback is the result of power tool misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below:

**Maintain a firm grip on the power tool and position your body and arm to allow you to resist kickback forces. Always use auxiliary handle, if provided, for maximum control over kickback or torque reaction during start-up.** The operator can control torque reactions or kickback forces, if proper precautions are taken.

**Never place your hand near the rotating accessory.** Accessory may kickback over your hand.

**Do not position your body in the area where power tool will move if kickback occurs.** Kickback will propel the tool in direction opposite to the wheel's movement at the point of snagging.

**Use special care when working corners, sharp edges etc.** Avoid bouncing and snagging the accessory. Corners, sharp edges or bouncing have a tendency to snag the rotating accessory and cause loss of control or kickback.

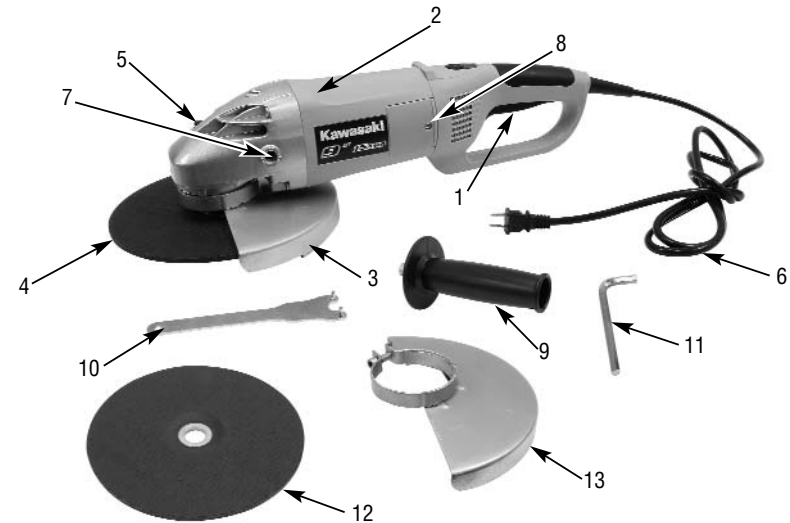
**Do not attach a saw chain woodcarving blade or toothed saw blade.** Such blades create frequent kickback and loss of control.

## SYMBOLS

**IMPORTANT:** Some of the following symbols may be used on your tool. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the tool better and safer.

SYMBOL	NAME	EXPLANATION
V	Volts	Voltage (Potential)
A	Amperes	Current
L	Liters	Volume
Kg	Kilograms	Weight
~	Alternating Current	Type of Current
— or d.c.	Direct Current	Type of Current
~ or a.c.	Alternating or Direct Current	Type of Current
⊕	Earthing Terminal	Grounding Terminal
⊞	Class II Construction	Denotes Double Insulation
h	Hours	Time
min	Minutes	Time
s	Seconds	Time
φ	Diameter	Size of Drill Bits, Grinding Wheels, etc.
$n_0$	No load speed	No-load Rotational Speed
.../min	Revolutions per Minute	Revolutions, Surface Speed, Strokes, etc. per Minute
psi	Pounds per square inch	Pressure
1,2,3, ...	Ring Selector Settings	Speed, Torque or Position Settings

## FUNCTIONAL DESCRIPTION



### CONTROLS AND COMPONENTS:

1. ON/OFF Switch with Locking Tab
2. Tool Body
3. 9 in. Wheel Guard
4. 9 in. Grinding Wheel
5. Spindle Lock Button
6. Power Cord
7. Handle Mounting Hole(3)
8. Motor Brush(2)

### ACCESSORIES:

9. Side Handle
10. Pin Spanner
11. Hex Wrench
12. 7 in. Grinding Wheel
13. 7 in. Wheel Guard

## ASSEMBLY

**⚠ WARNING** Disconnect the Angle Grinder from the AC power source eliminating any accidental starting of the motor.

**⚠ CAUTION** Make sure you have full control of the tool when grinding into a corner as a sharp, sudden movement may occur when the wheel contacts a secondary surface.

## ATTACHING AUXILIARY HANDLE

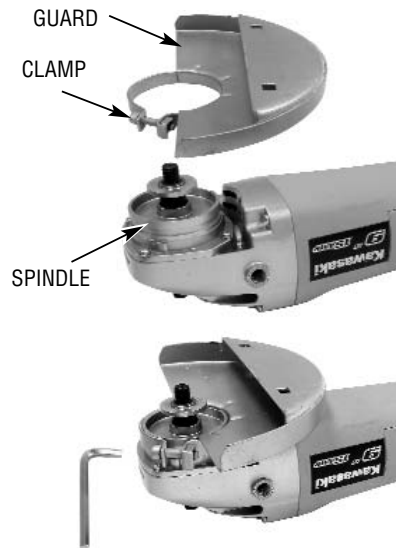
This tool comes with an auxiliary handle which can be attached to the left, right or top side of the Angle Grinder, depending on the preference of the operator. This handle is necessary to maintain complete control of the tool and should be used at all times. Make sure this handle is always fastened securely.



## ATTACHING WHEEL GUARD

**CAUTION** Never brush or grind without the guard in place. Brushes are considered to be grinding wheels and must also be used with guards.

- Always unplug the tool before attempting to change the guard or accessories.
- Set the Angle Grinder on a flat surface with the spindle facing up.
- Place the clamp of the guard over the spindle.
- Tighten the screw of the clamp.
- Make sure that the guard is securely tightened in place.

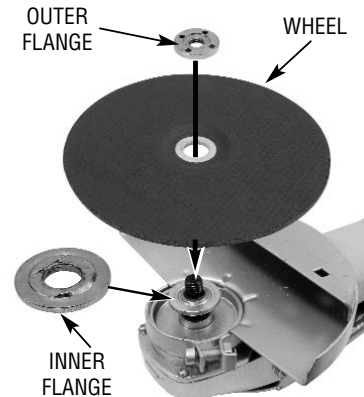


**NOTE** Wheel size MUST match guard size. A 7 inch wheel may not be used in a 9 inch guard.

## ATTACHING WHEELS WITH DEPRESSED CENTERS

**WARNING** Always check the tool warning label for the recommended speed rating on accessories. Never run a wheel or brush over the rated speed. Accessories exceeding the recommended speed may fly apart and cause serious personal injury.

**NOTE** Hubbed wheels do not require mounting flanges.



- Check to make sure that the guard is fitted properly. Put the inner flange on the spindle.
- Put the grinding wheel on the spindle and the inner flange.
- When working with thin grinding wheels, fit the threaded outer flange with the raised area facing toward the wheel.

- When working with thick grinding wheels, fit the threaded outer flange with the raised area facing away from the wheel.
- Push in the spindle lock button. Turn the outer flange until it locks into place.
- Once the spindle is locked, insert the enclosed Pin Spanner into the holes of the outer flange to tighten the outer flange properly.



## ATTACHING WIRE BRUSHES

Wire cup brushes, not included, can be screwed directly on the spindle. No flanges are necessary.

## EDGE GRINDING

**⚠ WARNING** Do not use edge grinding wheels for cut-off work, deep grinding or subject them to any side pressure as this may lead to breakage and possible personal injury. These wheels should be used for shallow cutting and notching (less than 1/2 inches in depth). Keep the open side of the guard away from the operator at all times.

Edge grinding should only be done with wheels specifically designed for this purpose.

## REMOVING GUARD FOR SANDING OR USING FLAT WIRE BRUSHES

- Set the Angle Grinder on a flat surface with the spindle facing up.
- Remove the inner and outer flanges, unscrew hex socket head screw and remove the guard.
- Store these parts carefully.
- Replace the guard after the job is finished.

## ATTACHING SANDING DISC

- To remove the guard, see instructions given in the “Removing Guard for Sanding or Using Flat Wire Brushes” Section above.
- Set the inner flange and outer flange on the spindle.
- Push in the spindle lock button. Turn the spindle until it locks into place.
- Once the spindle is locked, tighten the sanding disc by hand.

## OPERATING THE ANGLE GRINDER

**⚠ WARNING** Always unplug the tool before attempting to change the guard or accessories.

**NOTE** For best tool control, material removal and minimal loading, keep the angle between the disc and the work surface at approximately 30° when grinding and 10°-15° when sanding.

## OPERATING THE ON/OFF SWITCH

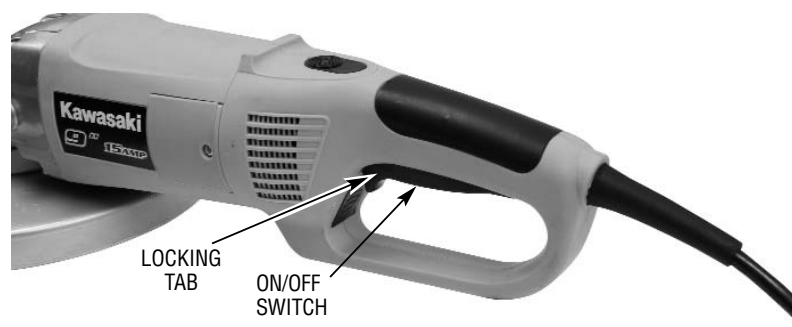
**⚠ WARNING** Never switch the Angle Grinder “ON” or “OFF” while under load conditions.

### ⚠ CAUTION

Always allow the Angle Grinder to come up to full speed before touching any surface.

Always take the tool away from the workpiece before turning the tool “OFF”. Let the tool come to a complete stop before setting it down.

This tool operates best under light pressure. Exerting heavy pressure will not speed up the work and may cause damage to the motor.



When starting, hold the tool firmly with both hands. (One hand on the rear handle or motor housing and the other on the side handle.)

To start, push forward the Locking Tab and then squeeze the “On/Off” switch.

To stop, release the “On/Off” switch.

**NOTE** This tool has a soft start feature to reduce the effect of start-up torque.

## MAINTENANCE AND CLEANING



**WARNING** Always **UNPLUG** the tool from the power source before cleaning or maintenance.

- **Use compressed air to blow out any accumulated dust or grit.** Tiny particles from metal grinding often accumulate inside your tool and could create an electrical shock hazard.
- **Never use solvents or harsh chemicals.** Use only mild soap and a damp cloth to clean the tool. Never let any liquid get inside the casing. Never immerse any part of the tool in a liquid. Always keep the ventilation openings clear.
- **Regularly clean the ventilation slots in your tool using a soft brush or dry cloth.**

## ACCESSORIES

**Use only accessories that are recommended by the manufacturer for your model.** Accessories that may be suitable for one tool may become hazardous when used on another tool.

**Always attach grounded (3-prong) extension cords to grounded (3-hole) outlets.**

**If you must use an extension cord, be sure that the gauge is large enough to carry the amount of current necessary for your power tool.** If not, your tool may experience a loss of power, excessive voltage drop or overheating. The smaller the gauge number, the heavier the cord (see table on next page).

### RECOMMENDED SIZES OF EXTENSION CORDS FOR 120 VOLT AC 60 HZ TOOLS

CURRENT RATING IN AMPS		CONDUCTOR SIZE IN A.W.G.			
MORE THAN	NOT MORE THAN	25 FT.	50 FT.	100 FT.	150 FT.
0	6	18	16	16	14
6	10	18	16	14	12
10	12	16	16	14	12
12	16	14	12	NOT RECOMMENDED	

## SPECIFICATIONS

### SPECIFICATIONS

Voltage	120V ~ 60 Hz
Rated Current	15 A
No-Load Speed	6000rpm
Maximum Disc Diameter	230mm (9 inch)
Spindle Thread	5/8 in. x 11

## OTHER CONSUMER DO-IT-YOURSELF (DIY) TOOLS

Alltrade offers a full range of Kawasaki tools that make DIY jobs easy. If you would like further information on the following products, please contact Alltrade Customer Service Department at 1-800-590-3723.

Cordless Drills/Screwdrivers	Angle Grinders
Impact Wrenches	Reciprocating Saws
Sanders	Routers
Jigsaws	Rotary Tools
Circular Saws	Corded and Cordless Multi-Purpose Tools
	Wide Range of Accessories and more

## 3 YEAR LIMITED WARRANTY

### Express and Exclusive Limited Warranty to Original Retail Buyer

Alltrade Tools LLC (hereinafter "Alltrade") expressly warrants to the original retail purchaser of the accompanying KAWASAKI power tool and no one else all parts of the product (except those parts referred to below which are specifically excluded from such warranty (see Exclusions)) to be free from defects in materials and workmanship for a period of three years from original date of purchase, except that such warranty with regard to the battery shall be for a period of two years from original date of purchase, unless the tool is used for commercial or rental purposes.

**SPECIAL WARRANTY NOTE FOR COMMERCIAL OR RENTAL USE:** The above warranty for this Kawasaki power tool, including the battery, shall be effective for only 90 days from the original date of purchase if this tool is used for any **COMMERCIAL OR RENTAL PURPOSE.**

The date of purchase shall be the date of shipment to the original purchaser, or the date the original purchaser took possession, custody or control of the product, whichever occurred first. This warranty shall be null and void if the product or any component thereof is modified or altered. This warranty does not apply to any other product and/or component thereof manufactured or distributed by Alltrade,

and does not apply to products and/or components thereof designed, manufactured and/or assembled by others, for which Alltrade makes no warranties whatsoever. **THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF.**

#### **Warranty Performance**

By purchasing the product, purchaser expressly acknowledges and agrees that their sole and exclusive remedy under this warranty shall be strictly limited to the repair or replacement of any covered nonconforming items or parts thereof provided that any such nonconforming item and/or part is promptly returned to Alltrade's facility postage pre-paid and insured (address: ALLTRADE Warranty Claims & Repair, 1431 Via Plata, Long Beach, CA 90810, Attn: Customer Service #1-800-590-3723) within the applicable warranty period, with a written request by purchaser that Alltrade repair and/or replace the nonconforming item and/or part. We recommend that you keep the original product packaging in the event you need to ship the unit. We suggest the package be insured against loss or in transit damage. When sending your product include your name, address, phone number, dated proof of purchase (or copy), and a statement about the nature of problem. Warranty coverage is conditioned upon purchaser furnishing Alltrade with adequate written proof that they are the original purchaser and of the original purchase date. Parts returned, freight prepaid and insured, to Alltrade's facility (see above address) will be inspected and, at Alltrade's option, repaired and/or replaced free of charge if found to be defective and subject to warranty. Alltrade retains the sole discretion to determine whether any item or part is nonconforming and, if so, whether the item and/or part will be repaired and/or replaced. If the unit is repaired, new or reconditioned replacement parts may be used. If Alltrade chooses to replace the product, it may replace it with a new or reconditioned one of the same or comparable design. The repaired or replaced unit will be warranted under the terms of the remainder of the warranty period. Typically, a defective product that is returned within the first 30 days after the purchase date will be replaced; for items returned after the first 30 days and within the warranty period, covered defective parts not subject to normal wear and tear or other exclusions will be repaired or replaced, at Alltrade's option. During the warranty period, Alltrade will be responsible for the return shipping charges. Alltrade's repair and/or replacement of any nonconforming item and/or part thereof shall constitute fulfillment of all obligations to the purchaser. Alltrade shall not be responsible or liable for any expense, including freight charges, or repairs made outside Alltrade's facility, unless expressly agreed to by Alltrade in writing. Under no circumstances shall Alltrade bear any responsibility for loss of the unit, loss of time or rental, inconvenience, commercial loss or consequential damages.

#### **Exclusions**

This warranty does not cover parts damaged due to normal wear, abnormal conditions, misapplication, misuse, abuse, accidents, operation at other than

recommended pressures or temperatures, improper storage or freight damage. Parts damaged or worn by operation in dusty environments are not warranted. Failure to follow recommended operating and maintenance procedures also voids warranty.

This limited warranty does not apply to accessory items such as drill bits, screwdriving bits, circular saw blades, jigsaw blades, grinding wheels, sanding sheets and other related items.

**DAMAGE TO THE PRODUCT RESULTING FROM TAMPERING, ACCIDENT, ABUSE, NEGLIGENCE, FAILURE TO FOLLOW INSTRUCTIONS, UNAUTHORIZED REPAIRS OR ALTERATIONS, DAMAGE WHILE IN TRANSIT TO OUR SERVICE FACILITY, USE OF UNAPPROVED OR IMPROPER ATTACHMENTS OR ACCESSORIES, COMMERCIAL AND RENTAL APPLICATIONS OR OTHER CAUSES UNRELATED TO PROBLEMS WITH MATERIAL OR WORKMANSHIP ARE NOT COVERED BY THIS WARRANTY.**

Alltrade will not be liable for the following: labor charges, loss or damage resulting from improper operation, maintenance or repairs made by other persons; pre-delivery services such as assembly, oil or lubricants, and adjustment; maintenance services that are normally required to maintain the product.

The use of other than genuine Alltrade Repair Parts will void warranty.

#### **Warranty Disclaimers**

**EXCLUSION AND DISCLAIMER OF ALL OTHER EXPRESS WARRANTIES, GUARANTIES AND/OR REPRESENTATIONS. EXCEPT FOR THE LIMITED WARRANTY PROVIDED ABOVE, ALL OTHER EXPRESS WARRANTIES, GUARANTIES AND/OR REPRESENTATIONS BY ALLTRADE AND/OR ITS REPRESENTATIVE(S) REGARDING THE DESIGN, MANUFACTURE, PURCHASE, USE AND/OR OPERATION OF THE PRODUCT OR ANY COMPONENT THEREOF SOLD HEREUNDER, REGARDLESS OF WHETHER ANY SUCH WARRANTY, GUARANTY AND/OR REPRESENTATION, WRITTEN OR ORAL, ARISES BY OPERATION OF LAW AND/OR EQUITY AND/OR BY ANY ACT OR OMISSION OF ALLTRADE AND/OR ITS REPRESENTATIVE(S), OR THE BUYER, ARE HEREBY EXPRESSLY EXCLUDED AND DISCLAIMED BY ALLTRADE AND/OR ITS REPRESENTATIVES. PURCHASER KNOWINGLY AND WILLINGLY WAIVES ANY AND ALL SUCH WARRANTIES AND RIGHTS, CLAIMS AND/OR CAUSES OF ACTION ARISING THEREFROM OR BASED THEREON. PURCHASER'S SOLE AND EXCLUSIVE REMEDY IS AS STATED ABOVE.**

**EXCLUSION AND DISCLAIMER OF ALL IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. NO WARRANTY, ORAL OR WRITTEN, OTHER THAN THE ABOVE WARRANTY IS MADE WITH REGARD TO THIS PRODUCT. ALL EXPRESS AND/OR IMPLIED WARRANTIES, GUARANTIES AND/OR REPRESENTATIONS BY ALLTRADE**

AND/OR ITS REPRESENTATIVE(S) REGARDING THE DESIGN, MANUFACTURE, PURCHASE, USE AND/OR OPERATION OF THE PRODUCT OR ANY COMPONENT THEREOF SOLD HEREUNDER, REGARDLESS OF WHETHER ANY SUCH WARRANTY, GUARANTY AND/OR REPRESENTATION, WRITTEN OR ORAL, ARISES BY OPERATION OF LAW AND/OR EQUITY AND/OR BY ANY ACT OR OMISSION OF ALLTRADE AND/OR ITS REPRESENTATIVE(S), OR THE PURCHASER, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTY OF MERCHANTABILITY AND THE WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY EXPRESSLY EXCLUDED AND DISCLAIMED BY ALLTRADE AND/OR ITS REPRESENTATIVES. PURCHASER KNOWINGLY AND WILLINGLY WAIVES ANY AND ALL SUCH WARRANTIES AND RIGHTS, CLAIMS AND/OR CAUSES OF ACTION ARISING THEREFROM OR BASED THEREON. PURCHASER'S SOLE AND EXCLUSIVE REMEDY IS AS STATED ABOVE.

**Limitation Of Liability**

IN NO EVENT SHALL ALLTRADE AND/OR ITS REPRESENTATIVE(S) BE LIABLE FOR INDIRECT, INCIDENTAL, SPECIAL AND/OR CONSEQUENTIAL DAMAGES OF ANY KIND ARISING OUT OF OR RELATED TO, DIRECTLY OR INDIRECTLY, ANY BREACH OF ANY PROVISION OF ANY AGREEMENT BETWEEN ALLTRADE AND/OR ITS REPRESENTATIVE(S) AND PURCHASER, ANY WARRANTY HEREUNDER, AND/OR THE EXISTENCE, DESIGN, MANUFACTURE, PURCHASE, USE AND/OR OPERATION OF ANY ITEM(S) SOLD HEREUNDER EVEN IF ALLTRADE AND/OR ITS REPRESENTATIVE(S) HAS BEEN ADVISED OF THE POSSIBILITY OF ANY SUCH DAMAGES. IN NO EVENT, WHETHER AS A RESULT OF A BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE) OR OTHERWISE, SHALL ALLTRADE'S AND/OR ITS REPRESENTATIVE(S)' LIABILITY EXCEED THE PRICE OF THE PRODUCT. ANY AND ALL LIABILITY CONNECTED WITH THE USE OF THIS PRODUCT SHALL TERMINATE UPON THE EXPIRATION OF THE WARRANTY PERIODS SPECIFIED ABOVE.

**Limitations on Warranty Disclaimers**

Some states do not allow limitations on how long an implied warranty lasts and some states do not allow the exclusion or limitation of the incidental or consequential damages, so part or all of the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

If your product is not covered by this warranty, please call our Customer Service Department toll free at 1-800-590-3723 for general repair information and charges.